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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:21:38 ; Search time 52 Seconds  
(without alignments)  
1788.934 Million cell updates/sec

Title: US-08-153-397a-2

Perfect score: 4928  
Sequence: 1 MGEALSSLLLLLVASGDA.....QRPFSQHLHFLAEDALNTV 919

Scoring table: BLOSUM62  
Gapop 10.0 , Gapeft 0.5

Searched: 383519 seqs, 101223694 residues

Total number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications\_AA.\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4887	99.2	913	9	US-09-355-815-2 Sequence 2, Appl1
2	4882	99.1	913	10	US-09-223-490-4 Sequence 4, Appl1
3	4656.5	94.5	876	9	US-10-060-036-4553 Sequence 4553, Ap
4	3298	66.9	624	10	US-09-925-297-738 Sequence 738, App
5	2404	48.8	855	9	US-09-355-815-6 Sequence 6, Appl1
6	2404	48.8	855	10	US-09-771-161A-196 Sequence 196, App
7	2402	48.7	854	9	US-09-158-722-20 Sequence 20, Appl1
8	2167	44.0	399	10	US-09-223-490-8 Sequence 105, App
9	1209.5	24.5	520	10	US-09-771-161A-105 Sequence 105, App
10	645	13.1	847	10	US-09-924-859A-5 Sequence 2, Appl1
11	640.5	13.0	850	10	US-09-924-859A-7 Sequence 5, Appl1
12	627	12.7	790	10	US-09-966-147-9 Sequence 9, Appl1
13	623.5	12.7	814	10	US-09-924-859A-3 Sequence 3, Appl1
14	623.5	12.5	257	9	US-09-823-187-46 Sequence 46, Appl1
15	617.5	12.1	641	9	US-10-242-943-4 Sequence 4, Appl1
16	598	12.0	641	9	US-10-016-283-1 Sequence 1, Appl1
17	593.5	12.0	869	9	US-10-016-283-33 Sequence 33, Appl1
18	588.5	11.9	869	9	US-10-016-283-33 Sequence 33, Appl1

20	588.5	11.9	869	10	US-09-817-487A-2	Sequence 2, Appl1
21	560	11.4	280	10	US-09-515-806-15	Sequence 15, Appl1
22	547.5	11.1	278	9	US-10-172-088-9	Sequence 9, Appl1
23	537	10.9	937	9	US-09-974-298-129	Sequence 129, App
24	534	10.8	374	10	US-09-205-658-108	Sequence 108, App
25	534	10.8	374	10	US-09-844-353A-108	Sequence 108, App
26	529	10.7	297	9	US-09-939-833-8	Sequence 8, Appl1
27	529	10.7	297	10	US-09-939-833-8	Sequence 8, Appl1
28	529	10.7	297	10	US-09-939-833-8	Sequence 8, Appl1
29	511	10.4	251	8	US-08-987-689A-32	Sequence 32, Appl1
30	508	10.3	370	10	US-09-205-658-107	Sequence 107, App
31	508	10.3	370	10	US-09-844-353A-107	Sequence 107, App
32	508	10.3	384	10	US-09-205-658-109	Sequence 109, App
33	508	10.3	384	10	US-09-844-353A-109	Sequence 109, App
34	508	10.3	1367	9	US-09-870-759-120	Sequence 120, App
35	497	10.1	802	9	US-09-758-386-3	Sequence 3, Appl1
36	495.5	10.1	802	9	US-10-011-548-33	Sequence 33, Appl1
37	486	9.9	850	10	US-09-985-675-4	Sequence 4, Appl1
38	486	9.9	875	10	US-09-985-675-3	Sequence 3, Appl1
39	486	9.9	890	10	US-09-223-490-2	Sequence 2, Appl1
40	486	9.9	911	10	US-09-924-859A-1	Sequence 1, Appl1
41	485	9.8	888	10	US-09-223-490-35	Sequence 35, Appl1
42	483	9.8	885	10	US-09-919-497-52	Sequence 52, Appl1
43	482.5	9.8	505	9	US-09-977-261-6	Sequence 6, Appl1
44	482.5	9.8	505	9	US-09-977-261-6	Sequence 6, Appl1
45	482.5	9.8	505	10	US-09-977-261-6	Sequence 6, Appl1

## ALIGNMENTS

RESULT 1	US-09-355-815-2	Sequence 2, Application US/09355815
1	US-09-355-815-2	Publication No. US20030070184A1
2	US-09-355-815-2	GENERAL INFORMATION:
3	US-09-355-815-2	APPLICANT: Vogel, Wolfgang
4	US-09-355-815-2	APPLICANT: Pawson, Anthony
5	US-09-355-815-2	TITLE OF INVENTION: LIGANDS FOR DISCOLDIN DOMAIN RECEPTOR TYROSINE KINASES
6	US-09-355-815-2	FILE REFERENCE: 11757.36USWO
7	US-09-355-815-2	CURRENT APPLICATION NUMBER: US/09/355, 815
8	US-09-355-815-2	PRIOR FILING DATE: 1999-09-09
9	US-09-355-815-2	PRIOR FILING DATE: 1998-02-05
10	US-09-355-815-2	PRIOR FILING DATE: 1997-02-06
11	US-09-355-815-2	NUMBER OF SEQ ID NOS: 6
12	US-09-355-815-2	SOFTWARE: PatentIn Ver. 2.0
13	US-09-355-815-2	SEQ ID NO 2
14	US-09-355-815-2	LENGTH: 913
15	US-09-355-815-2	TYPE: PRT
16	US-09-355-815-2	ORGANISM: Homo sapiens
17	US-09-355-815-2	Query Match 99.2%; Score 4887; DB 9; Length 913;
18	US-09-355-815-2	Best Local Similarity 99.3%; Pred. No. 2, 2e-293;
19	US-09-355-815-2	Matches 913; Conservative 0; Mismatches 0; Indels 6; Gaps 1;
20	US-09-355-815-2	1 MGEALSSLLLLLVASGDAKMGHPDPAKCRALAMORTIPDSISASSSSWSTAAK 60
21	US-09-355-815-2	1 MGEALSSLLLLLVASGDAKMGHPDPAKCRALAMORTIPDSISASSSSWSTAAK 60
22	US-09-355-815-2	1 MGEALSSLLLLLVASGDAKMGHPDPAKCRALAMORTIPDSISASSSSWSTAAK 60
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Db 181 ELVGLMRDGLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGLQADGVVGLDD 240
QY 241 FRKSOELRWPGDYDVGNSNSHSSGTYMEFEFDRALFQAMQVHCNMMHTLGARLPG 300
Db 241 FRKSOELRWPGDYDVGNSNSHSSGTYMEFEFDRALFQAMQVHCNMMHTLGARLPG 300
QY 301 VECRRRGPAMAMEGEPKRNHNGNLGDRPARAVSPPLGGRVAREFLQCRFLFAGPMLLFS 360
Db 301 VECRRRGPAMAMEGEPKRNHNGNLGDRPARAVSPPLGGRVAREFLQCRFLFAGPMLLFS 360
QY 361 EISFISDYVNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
Db 361 EISFISDYVNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
QY 421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
Db 421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
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Db 481 PPPYOEPRRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
QY 541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVGTGNTYAVPALPGAVGDP 600
Db 541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVGTGNTYAVPALPGAVGDP 600
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Db 601 PRVDEPRRRLRFRKELGSGOGEVHLCEVDSPODLVSLDFPLNVRKGGHLLVAVYILRPD 660
QY 661 ATKNASFLSRNDFLKEVYKINSRLKDPNIIIRLLGVQVDDPLCMITDYMENGDLNOFLS 720
Db 661 ATKNASFLSRNDFLKEVYKINSRLKDPNIIIRLLGVQVDDPLCMITDYMENGDLNOFLS 720
QY 721 AHQLDEKAEAGAPGGOAAGPTISYPMILHYAAAGIASGMYRLATLNVHRLARNCILY 780
Db 721 AHQLDEKAEAGAPGGOAAGPTISYPMILHYAAAGIASGMYRLATLNVHRLARNCILY 780
QY 781 GENFTIKIADFGMSHNLVAGDYRYVQGRAVLPJIRMANECCILMGFTTASDVMAFVYILM 840
Db 781 GENFTIKIADFGMSHNLVAGDYRYVQGRAVLPJIRMANECCILMGFTTASDVMAFVYILM 840
QY 841 EYLMACRAQPFQGLTDEOYIENAGFEFFRQDQNOVTLSPRACPOGLYELMLRCMSRESQ 900
Db 841 EYLMACRAQPFQGLTDEOYIENAGFEFFRQDQNOVTLSPRACPOGLYELMLRCMSRESQ 900
QY 901 RPFSQLRHFLEADALNTV 919
Db 901 RPFSQLRHFLEADALNTV 919

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## RESULT 2

```

US-09-223-490-4
Sequence 4, Application US/09223490
Patent No. US20020147325A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Barton, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/223,490
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170,558
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-09-223-490-4

Query Match 99.1%; Score 4882; DB 10; Length 913;
Best Local Similarity 99.2%; Pred. No. 4,6e-293;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

1 MGPEALSSILLILLVAGSDADKGFHPDPAKRYALGMDRTIPDSISASSMSDSTAR 60
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121 RYSRGRMRMGKMDMGQEVISGNDPEGVVLKDGPPVAVRLVFYPRADRVMSVCLRY 180
121 RYSRGRMRMGKMDMGQEVISGNDPEGVVLKDGPPVAVRLVFYPRADRVMSVCLRY 180
181 ELYGCLMRDGLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGLQADGVVGLDD 240
181 ELYGCLMRDGLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGLQADGVVGLDD 240
241 FRKSOELRWPGDYDVGNSNSHSSGTYMEFEFDRALFQAMQVHCNMMHTLGARLPG 300
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301 VECRRRGPAMAMEGEPKRNHNGNLGDRPARAVSPPLGGRVAREFLQCRFLFAGPMLLFS 360
361 EISFISDYVNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
361 EISFISDYVNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
481 PPPYOEPRRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
481 PPPYOEPRRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
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601 PRVDEPRRRLRFRKELGSGOGEVHLCEVDSPODLVSLDFPLNVRKGGHLLVAVYILRPD 660
601 PRVDEPRRRLRFRKELGSGOGEVHLCEVDSPODLVSLDFPLNVRKGGHLLVAVYILRPD 660
661 ATKNASFLSRNDFLKEVYKINSRLKDPNIIIRLLGVQVDDPLCMITDYMENGDLNOFLS 720
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Db 661 ATKNA-----RNDFLKEVKIMSRKDKPNIIRLIGVCVODDPLCMITDYMENGLNQFLS 714  
Qy 721 AHOLEDKAAGAPDGGAAOAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780  
Db 715 AHOLEDKAAGAPDGGAAOAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774  
Qy 781 GENFTIKIADFGSMRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLM 840  
Db 775 GENFTIKIADFGSMRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLM 834  
Qy 841 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRESEQ 900  
Db 835 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRESEQ 894  
Qy 901 RPPESOLHRLAEDALNTV 919  
Db 895 RPPESOLHRLAEDALNTV 913

## RESULT 3

US-10-060-036-4553  
Sequence 4553, Application US/10060036  
Publication No. US20030073144A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Persing, David H.  
APPLICANT: Hepler, William T.  
APPLICANT: Jiang, Yugu  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER  
FILE REFERENCE: 210121.566  
CURRENT APPLICATION NUMBER: US/10/060.036  
CURRENT FILING DATE: 2002-01-30  
NUMBER OF SEQ ID NOS: 4560  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 4553  
LENGTH: 876  
TYPE: PRF  
ORGANISM: Homo sapiens  
US-10-060-036-4553

Query Match 94.5%; Score 4656.5; DB 9; Length 876;  
Best Local Similarity 95.3%; Pred. No. 3.5e-279;  
Matches 876; Conservative 0; Mismatches 0; Indels 43; Gaps 2;

Qy 1 MGPEALSSLLLLLVASGDADMKGHPDPAKCRYALGMDRTIPDSISASSMSDSTAAR 60  
Db 1 MGPEALSSLLLLLVASGDADMKGHPDPAKCRYALGMDRTIPDSISASSMSDSTAAR 60  
Qy 61 HSRLESDDGDGACPAAGSVFPKEEYLOVDLQRLHVALVGTGGRNAGLGKFEFSNYRL 120  
Db 61 HSRLESDDGDGACPAAGSVFPKEEYLOVDLQRLHVALVGTGGRNAGLGKFEFSNYRL 120  
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Db 121 RYSDGRRMWGMKDRGQEVISGNEDEBEGVYLKIDGPPVARIYRREYPRADRYMSCLRY 180  
Qy 181 ELYGLMDGLLSTYAPVQOTMYLSEAVYLLNDSTYDHTVGGLOYGLADGVYGLDD 240  
Db 181 ELYGLMDGLLSTYAPVQOTMYLSEAVYLLNDSTYDHTVGGLOYGLADGVYGLDD 240  
Qy 241 FKSGELRWPGDYVYGNSHSFSSGYVMEFEFDRLPARQAMQVCHNNHTLGARLPGG 300  
Db 241 FKSGELRWPGDYVYGNSHSFSSGYVMEFEFDRLPARQAMQVCHNNHTLGARLPGG 300  
Qy 301 VCCRFRGPAAMWEGEPHNNIGNLDGRARAVSVPLGGRVAREFLOCRFLPAGPMLTS 360  
Db 301 VCCRFRGPAAMWEGEPHNNIGNLDGRARAVSVPLGGRVAREFLOCRFLPAGPMLTS 360  
Qy 361 EISFISDVVNSSPALGTFPPAPWMPGPPTNFSLELEPRGQOPVAKAEGSPYALIL 420

Db 361 EISFISDVVNSSPALGTFPPAPWMPGPPTNFSLELEPRGQOPVAKAEGSPYALIL 420  
Qy 421 GCLVAIILLILLIALLMLRLMRLMRLSKARRVLEELVHLSVDPDTILINRRPQRE 480  
Db 421 GCLVAIILLILLIALLMLRLMRLMRLSKARRVLEELVHLSVDPDTILINRRPQRE 480  
Qy 481 PPPQEPFRKPNPHSAPCVNCSALLISNPATYLLATYARPPRGPPPTPAWAKPTNT 540  
Db 481 PPPQEPFRKPNPHSAPCVNCSALLISNPATYLLATYARPPRGPPPTPAWAKPTNT 504  
Qy 541 QAYSQDYEPKPPAPLPPPPONSYPHYAADIYTLQGTGNTYAVPALPPAVDGP 600  
Db 505 -AYSGDIMEPKPAPLPPPPONSYPHYAADIYTLQGTGNTYAVPALPPAVDGP 563  
Qy 601 PRVDFPSRLFKFKELGEGGEGEYHLCVDSPODLSLDFPLNKRKGPILLVAKILRPD 660  
Db 564 PRVDFPSRLFKFKELGEGGEGEYHLCVDSPODLSLDFPLNKRKGPILLVAKILRPD 623  
Qy 661 ATKNAFSLPSRNDFLKEVKIMSRKDKPNIIRLIGVCVODDPLCMITDYMENGLNQFLS 720  
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Qy 721 AHOLEDKAAGAPDGGAAOAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780  
Db 678 AHOLEDKAAGAPDGGAAOAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 737  
Qy 781 GENFTIKIADFGSMRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLM 840  
Db 738 GENFTIKIADFGSMRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLM 797  
Qy 841 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRESEQ 900  
Db 798 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRESEQ 857  
Qy 901 RPPESOLHRLAEDALNTV 919  
Db 858 RPPESOLHRLAEDALNTV 876

## RESULT 4

US-09-925-297-738  
Sequence 738, Application US/09925297  
Patent No. US20020081659A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
FILE REFERENCE: PA105  
CURRENT APPLICATION NUMBER: US/09/925.297  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05989  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
NUMBER OF SEQ ID NOS: 928  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 738  
LENGTH: 624  
TYPE: PRF  
ORGANISM: Homo sapiens

NAME/KEY: SITE  
LOCATION: (188)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (192)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-297-738

Query Match 66.9%; Score 3298; DB 10; Length 624;

Best Local Similarity 98.7%; Pred. No. 1.3e-195;  
Matches 616; Conservative 0; Mismatches 2; Indels 6; Gaps 1;

QY 261 HSFSSGVTEVEFEEDLRAFOAMOVCHNNHITGARTLPGVECRPRGPAMAEGBMRH 320  
D 3 HSSSSGVTEVEFEEDLRAFOAMOVCHNNHITGARTLPGVECRPRGPAMAEGBMRH 62  
QY 321 NLGNGIDPPARAAVSPVGLGRVAFLOCRFLFAGPWLFESEISFISDVYNNSSPALGTE 380  
D NLGNGIDPPARAAVSPVGLGRVAFLOCRFLFAGPWLFESEISFISDVYNNSSPALGTE 122  
QY 381 PRAPMPGPP 440  
D 123 PRAPMPGPP 182  
QY 441 LHMRLSKARRYLEELTVELSVGDTLLNNRGPRPPPPPPPPPPPPPPPPPPPPPP 500  
D 183 LHMRLSKARRYLEELTVELSVGDTLLNNRGPRPPPPPPPPPPPPPPPPPPPPPP 242  
QY 501 PNCSSALLSNPAVRLIATYARPPRGPPTPAMAKPTNTQAYSGDMEPEKGAFLPP 560  
D 243 PNCSSALLSNPAVRLIATYARPPRGPPTPAMAKPTNTQAYSGDMEPEKGAFLPP 302  
QY 561 PPNNSVPHYAEADIVTLOGVTGNTYAVAPALPPGAVGDPPTVDFRSLRFEKLGEGQ 620  
D 303 PPNNSVPHYAEADIVTLOGVTGNTYAVAPALPPGAVGDPPTVDFRSLRFEKLGEGQ 362  
QY 621 FGEVHLCEVSDPDLVSLDFPLNVRKGHLVAVKILRPDARKNAFSLEFSRNDLFKEYK 680  
D 363 FGEVHLCEVSDPDLVSLDFPLNVRKGHLVAVKILRPDARKNAFSLEFSRNDLFKEYK 416  
QY 681 INSRLKDPNIIIRLGVGVODDPLCMITDYMENDLNQFLSAHQLEDKAEGAPGDAQAO 740  
D 417 INSRLKDPNIIIRLGVGVODDPLCMITDYMENDLNQFLSAHQLEDKAEGAPGDAQAO 476  
QY 741 GPTISPMILHYAAQASAMRYLATLNFHRDLATFNCYGENFTIKIDFGKSRNLYAG 800  
D 477 GPTISPMILHYAAQASAMRYLATLNFHRDLATFNCYGENFTIKIDFGKSRNLYAG 536  
QY 801 DYRVVGRVAVLPDIRMAVECIIMGKFTTASDVMAFVTLMEVLMCRAPFGQLNDEOYI 860  
D 537 DYRVVGRVAVLPDIRMAVECIIMGKFTTASDVMAFVTLMEVLMCRAPFGQLNDEOYI 596  
QY 861 ENAGEFFRDQGRQVYLSRPPACPO 884  
D 597 ENAGEFFRDQGRQVYLSRPPACPO 620

## RESULT 5

US-09-355-815-6  
Sequence 6, Application US/09355815  
Publication No. US20030070184A1  
GENERAL INFORMATION:  
APPLICANT: Watson, Wolfgang  
TITLE OF INVENTION: LIGANDS FOR DISCOIDIN DOMAIN RECEPTOR TYROSINE KINASES  
FILE REFERENCE: 11757.36USMO  
CURRENT APPLICATION NUMBER: US/09/355, 815  
PRIOR FILING DATE: 1999-09-09  
PRIOR APPLICATION NUMBER: PCT/CA98/00093  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: 60/041,578  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 6  
LENGTH: 855  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-355-815-6

Query Match 48.8%; Score 2404; DB 9; Length 855;

Best Local Similarity 51.8%; Pred. No. 2.3e-140;  
Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

QY 3 PEAUSLILILVASCADADKGFDPKARYALGMDRTIPSDISASSWSSTAAHS 62  
D 5 PEAUSLILILVASCADADKGFDPKARYALGMDRTIPSDISASSWSSTAAHS 61  
QY 63 RUESSDGDGAMCAGSVFPEE-EEYLOVDORLHVAVTQORRHAGGLKESRSYRLR 121  
D 62 RUESSDGDGAMCAGSVFPEE-EEYLOVDORLHVAVTQORRHAGGLKESRSYRLR 121  
QY 122 YSRDGRMMGMDKRWGOEYVSGNEDEGVYLLKDLGPPVARYALREFYPRADRVASYLVE 181  
D 122 YSRDGRMMGMDKRWGOEYVSGNEDEGVYLLKDLGPPVARYALREFYPRADRVASYLVE 181  
QY 182 LYGLCLRDGLISTAAVQOTMY--SEAYLYNDSTYDGHVGLQYGLGLQADGVYGLD 239  
D 182 LYGLCLRDGLISTAAVQOTMY--SEAYLYNDSTYDGHVGLQYGLGLQADGVYGLD 239  
QY 240 DFKSQELRWMPGYDYVGNNSHSSGVYEMEEFEEDLRAFOAMOVCHNNHITGARTLG 299  
D 241 DFKSQELRWMPGYDYVGNNSHSSGVYEMEEFEEDLRAFOAMOVCHNNHITGARTLG 299  
QY 300 GVECRPRGPAMAEGBMRHNLGNLGPBARAVSPVGLGRVAFLOCRFLFAGPWLFE 359  
D 301 GVECRPRGPAMAEGBMRHNLGNLGPBARAVSPVGLGRVAFLOCRFLFAGPWLFE 359  
QY 360 SEISFISD-VNNSSPALGCTPPAPMPPPPPPPPPPPPPPPPPPPPPPPPPPPPP 418  
D 360 SEISFISD-VNNSSPALGCTPPAPMPPPPPPPPPPPPPPPPPPPPPPPPPPPPP 418  
QY 419 LIGCLVAIIL 476  
D 401 LIGCLVAIIL 476  
QY 477 GPREP-----PPYOEPRRGNPPHSAFCVPPNGSALLSNPAVRLIATYARP 523  
D 461 GPREP-----PPYOEPRRGNPPHSAFCVPPNGSALLSNPAVRLIATYARP 523  
QY 524 PPGGPPPTAMAKPTNTQAYSGDMEPEKGAFLPPPPNSVPHYAEADIVTLOGVTG 583  
D 495 PPGGPPPTAMAKPTNTQAYSGDMEPEKGAFLPPPPNSVPHYAEADIVTLOGVTG 583  
QY 584 NTYAVAPALPPGAVGDPPTVDFRSLRFEKLGEGQFGEVHLCEVSDPDLVSLDFPL 642  
D 536 NTYAVAPALPPGAVGDPPTVDFRSLRFEKLGEGQFGEVHLCEVSDPDLVSLDFPL 642  
QY 643 NVKRGHPLLVAVKILRPDARKNAFSLEFSRNDLFKEYKIMSRLKDPNIIIRLGVGVOD 702  
D 596 NVKRGHPLLVAVKILRPDARKNAFSLEFSRNDLFKEYKIMSRLKDPNIIIRLGVGVOD 702  
QY 703 LCMITDYMNGNLNQLFSAHQLEDKAEGAPGDAQOAPTISYPMILHYAAQASAMRY 762  
D 650 LCMITDYMNGNLNQLFSAHQLEDKAEGAPGDAQOAPTISYPMILHYAAQASAMRY 762  
QY 763 LATLNFVHDDLTRNCLVGENFTIKIDRGSRNLYAGDYVVOGAVYPIRMMAECLT 822  
D 701 LATLNFVHDDLTRNCLVGENFTIKIDRGSRNLYAGDYVVOGAVYPIRMMAECLT 822  
QY 823 MCKFTTASDVMAFVTLMEVLMCRAPFGQLNDEOYIENAGEFFRDQGRQVYLSRPPAC 882  
D 761 MCKFTTASDVMAFVTLMEVLMCRAPFGQLNDEOYIENAGEFFRDQGRQVYLSRPPAC 882  
QY 883 PGLIYELMCRKSRSEORPPPSQHLRAFLAE 913  
D 821 PGLIYELMCRKSRSEORPPPSQHLRAFLAE 913

## RESULT 6

US-09-771-161A-196  
Sequence 196, Application US/09771161A  
Patent No. US20020110811A1  
GENERAL INFORMATION:

APPLICANT: LEVINE, et al.  
 TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
 FILE REFERENCE: 802620-2005.1  
 CURRENT APPLICATION NUMBER: US/09/771.161A  
 CURRENT FILING DATE: 2001-01-26  
 PRIOR APPLICATION NUMBER: 09/724,676  
 PRIOR FILING DATE: 2000-11-28  
 PRIOR APPLICATION NUMBER: 136776  
 PRIOR FILING DATE: 2000-06-15  
 PRIOR APPLICATION NUMBER: 135619  
 NUMBER OF SEQ ID NOS: 273  
 SOFTWARE: Patent version 3.0  
 SEQ ID NO 196  
 LENGTH: 855  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-771-161A-196

Query Match 48.8%; Score 2404; DB 10; Length 855;  
 Best Local Similarity 51.8%; Pred. No. 2,3e-140;  
 Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

QY 3 PRLSSLLLLVAGSDAMKGFHPDPAKRYALGMDRTIPDSISASSWSSTAAHRS 62  
 DB 5 PRLSLVFLPLPLIS--SAKAQVNPALICRYPLGMSGQIPDEDITASSQWSESTAAKYG 61  
 QY 63 RLESSDGDGAMCPAGSYEPKE-EEYLQVDLQRLHLVALVGTGSHAGGLKRESRRLR 121  
 DB 62 RLDSSEGDGAMCEPIPEPDLEKFLQIDLTHTLHFTLVGTGSHAGGHGIEFAPMYKIN 121  
 QY 122 YSRDGRMMWGMKRWGQEVISGNEDEGVVLKDLGPPMVARLVYFYRADRVMSVCLRYE 181  
 DB 122 YSRDGRMMWGMKRWGQEVISGNEDEGVVLKDLGPPMVARLVYFYRADRVMSVCLRYE 181  
 QY 182 LYGLWRDGLSLTAAYVQGMYYL--SEAVYLTNDSTYDHTVGLQYGLQLADGVYGLD 239  
 DB 182 LYGLWRDGLSLTAAYVQGMYYL--SEAVYLTNDSTYDHTVGLQYGLQLADGVYGLD 239  
 QY 240 DFRKSOELRWMPGYDYVGNNSHSGSYVMEFEFDRLAPQMOMVCHNMHTLGALRG 299  
 DB 241 DFRKSOELRWMPGYDYVGNNSHSGSYVMEFEFDRLAPQMOMVCHNMHTLGALRG 299  
 QY 300 GVECRFRPAMAMGEPMHNLGMLGDPARAVSYPLGGRVAFLOCHFLFAGPYLLF 359  
 DB 301 EVOCYF-RSEASMEENAIISFLYLDVNPASAFVYVPLHHRASAKCYHHRADTYMFF 359  
 QY 360 SEISFISD-VVANSFALGCTPPAPAWMPGPPPTNSSLLEPRGQAPAKAGSPTAI 418  
 DB 360 SEISFISD-VVANSFALGCTPPAPAWMPGPPPTNSSLLEPRGQAPAKAGSPTAI 418  
 QY 419 LIGCLVAITLLLLIATLMLRMLLSKARRVLEELVHTLSVPGTITLNNR--P 476  
 DB 401 LIGCLVAITLLLLIATLMLRMLLSKARRVLEELVHTLSVPGTITLNNR--P 476  
 QY 477 GPREP-----PPYQEPFRGNPSPHAPCVPMGSALLINPAYRLLATYARP 523  
 DB 461 SPSEGSNSTYDRIFPLRPDYQEP-----SRIRKLPER----- 494  
 QY 524 PRGPGPPYPAKAPPTNTQAYSGDYWEPEKPGALPRLPPONSYPHYAADIVTLQGTGG 583  
 DB 495 -----APGEESGCSGVVYKPVQSGP-----EGVPHYAEADIVTLQGTGG 583  
 QY 584 NTYAVPALPAGVAGDPPRYV-DEPRRLKFKETLGGGQGEVHLCEVDSDQLVSDFL 642  
 DB 536 NTYAVPALPAGVAGDPPRYV-DEPRRLKFKETLGGGQGEVHLCEVDSDQLVSDFL 642  
 QY 643 NVKRGHPLVAVKILRLPDATKNASFSLFRNDFLKFKVIMSRKDNPIIRLGLCVQDDP 702  
 DB 596 DVSANQPVLYAVKMLRADANKNA-----RNFELKIKIKMSRLKADNIIHLISVCTITDDP 649  
 QY 703 LCMITDYMGNDLNOFLSHQLEDKAAEGAPDGGQAAGPTTISYPMILHVAAQIASGMRY 762  
 DB 703 LCMITDYMGNDLNOFLSHQLEDKAAEGAPDGGQAAGPTTISYPMILHVAAQIASGMRY 762

DB 650 LCMITEYMGNDLNOFLSRHE-----PNNSSSDVRYSTYNKFNATQIASGMY 700  
 QY 763 LATLNFVRDLATRNCLVGENFTIKIADFGSNRLIYAGDYRYGQAVLPPIRNAMWCIL 822  
 DB 701 LSLNFVRDLATRNCLVGENFTIKIADFGSNRLIYAGDYRYGQAVLPPIRNAMWCIL 760  
 QY 823 MGKFTTADVAFVGLTWELVLMCRAPFGQLTEQVYENAGGEFFRQGRQVYLSRPPAC 882  
 DB 761 LKFTTADVAFVGLTWELVLMCRAPFGQLTEQVYENAGGEFFRQGRQVYLSRPPAC 820  
 QY 883 PGLYELMRCMSRESEQRPPFSOLHRIAE 913  
 DB 821 PDSYKMLSCMRDTRNRPSPFQTHILLQ 851

# RESULT 7 US-09-158-722-20

Sequence 20, Application US/09158722  
 Publication No. US20030013848A1

## GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.  
 TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES  
 NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.  
 STREET: 4225 Executive Square, Suite 1400  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: US  
 ZIP: 92037

COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/158,722  
 FILING DATE:

CLASSIFICATION:  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/456,647  
 FILING DATE: 02-JUN-1995  
 APPLICATION NUMBER: US 08/237,401  
 FILING DATE: 02-MAY-1994

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/884,486  
 FILING DATE: 15-MAY-1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Wetherell Ph.D., John R.  
 REGISTRATION NUMBER: 31,678  
 REFERENCE/DOCKET NUMBER: 07251/007002

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 678-5070  
 TELEFAX: (619) 678-5099

INFORMATION FOR SEQ ID NO: 20:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 854 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

MOLECULE TYPE: protein  
 US-09-158-722-20

Query Match 48.7%; Score 2402; DB 9; Length 854;  
 Best Local Similarity 51.9%; Pred. No. 3.1e-140;  
 Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

QY 9 LILLVLAGSDAMKGFHPDPAKRYALGMDRTIPDSISASSWSSTAAHRSLESSD 68  
 DB 10 VLLLLLLIGSA--KAQVNPALICRYPLGMSGHIPPEDITYASSQWSESTAAKYGRIDSEE 67  
 QY 69 GDGAMCPAGSYEPKE-EEYLQVDLQRLHLVALVGTGSHAGGLKREFSSTYLRYSRDR 127  
 DB 68 GDGAMCPAGSYEPKE-EEYLQVDLQRLHLVALVGTGSHAGGLKREFSSTYLRYSRDR 127

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QY 128 RMAGKDRNGOEYISGNEDEGVYVLCOLGPPMVARLVRYPRADRVMSVCLRVLYGCLM 187
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 128 RMISWNRHKGKVLDSNSNPYDFELKDLPPYARFVRLIPYDHSNMYCMARELYGCVW 187
QY 188 RGLLSYTAGVGTMTL--SEAVYLDSDYDHTVGGLOYGGIQLADGVGLDDRRKQ 245
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 188 LDGLVSYNAPAGQFTLPGGSTIYLDSDYDQ-AVYSMTESGGLTDSGGLDDTQTH 246
QY 246 ELAVNGDYVGVSNHSSFGSYVEEDEFDRLARFOAMVHCNNMHTLGAFLPGVECF 305
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 247 EYHVMGYDYVGRNSATNGFIEMFEDRIKFTMYHCNNMFAKVYKIKYQCF 306
QY 306 RRGPAWMEGEPRHNLGNLSDPRARAVSVPLGGRVAFLOCRLFLFAGPWLFSISPT 365
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 307 -RSEASEMPTAYFFLVLDIPNPSARFVTLPHHMASAIKQYHFADTMMFSEITPQ 365
QY 366 SD--VYNNSSPALGCTFPAPMPPPPPTNSSLLELRGQOPVAKAGSPALLIGCL 423
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 366 SDAMMTNNS--GALPTSP-----MAPTTYDPMKVDSDNTRILIGCL 405
QY 424 VAILLLLLIALLMLRLMRRLSKARVLEELTVHLSYVGDITLLNNR---PGPR 479
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 406 VALIFILAIYIILMRQWCKLEKASRLMDDEFTVSLSPSSSMNNRNSSPSQ 465
QY 480 EP-----PPOEPRRGNPHSAPCVNPSALLSNPAYRLLATYARPRGP 528
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 466 ESNSTYDRIFPLRPDQEP-----SRLIRKLPEF----- 494
QY 529 PRTPAKAPLTNOAYSQDMEPEKCAPLPPPPONSVHYLAADIVTLQVGTGNTYAV 588
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 495 -----APGEESGSGSVKPAQNGP-----EGVHYLAADIVNLQVGTGNTYCV 540
QY 589 PALPGAVDGDPPRY-DEPRSRLEFEKELGEGOFGEVHCEYDSDPLVSLDFPLNVRG 647
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 541 PAVTMDLGSKDVAAVEEPRKLLAFREKIGEGOFGEVHCEYGEAKFKDKFPALDYAN 600
QY 648 HPLVAVATLPRDATKNASFSLSFRNDFLEKYNLSRLDPPNIRLLGVYDDEPLCMIT 707
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 601 QGVLAIVAKMLRADANNA-----RNDPFEKIKINSRLKDPNIRLLAVCINEDPLCMIT 654
QY 708 DVMENGDMLNOLSAHOLEKAAAGAPDQQAAGPTISIPMLHVAQAQASGRYATATN 767
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 655 EYENGDMLNOLSRHEPLSSGSSDA-----TVSANLKFATQATASGKYLSSIN 704
QY 768 FVHRDLATRNCLVGENFTIKIADFGKSRMLYAGDYRVGSAVLPITRNWAMCILMGKFT 827
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 705 FVHRDLATRNCLVGNKTYIKIKIDFGKSRMLYSGDYIRIGRAVLPITRNWAMCILMGKFT 764
QY 828 TASDVAAEGVTLMVYLMCRAPFSQLDEQVYIENAGEFFRDQGRQVYLSRRPACPOGLY 887
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 765 TASDVAAEGVTLMVYLMCRAPFSQLDEQVYIENAGEFFRDQGRQVYLSRRPACPOGLY 824
QY 888 EIMLQMSRESEORPPFSQLHRTAE 913
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 825 KMLSCMRKREIKHPSFDEIHLILQ 850

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RESULT 8
US-09-223-490-8
; Sequence 8, Application US/09223490
; Patent No. US2002014732A1
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Barton, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd

```

```

; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/223,490
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170,558
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-09-223-490-8

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Query Match 44.0%; Score 2167; DB 10; Length 399;
Best Local Similarity 99.7%; Pred. No 3 9e-126;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 19 DDMKGFHPDPAKRYALGMQDRTIPDSISASSWSGSTAARHRSLESSDGDGAMPGS 79
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Db 1 DDMKGFHPDPAKRYALGMQDRTIPDSISASSWSGSTAARHRSLESSDGDGAMPGS 60
QY 79 VEPKEEYQVLDRLHLVALVGTQGRHAGGLKEFSRSRYRLKYSQDGRKMGKDRWGQ 138
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 61 VEPKEEYQVLDRLHLVALVGTQGRHAGGLKEFSRSRYRLKYSQDGRKMGKDRWGQ 120
QY 139 EYISGNEDEGVYVLCOLGPPMVARLVRYPRADRVMSVCLRVLYGCLMDGLSTAPY 198
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 121 EYISGNEDEGVYVLCOLGPPMVARLVRYPRADRVMSVCLRVLYGCLMDGLSTAPY 180
QY 199 GQTMYLEAVYLDSDYDHTVGGLOYGGIQLADGVGLDDFRKSOELRVMPGYDYVGN 258
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 181 GQTMYLEAVYLDSDYDHTVGGLOYGGIQLADGVGLDDFRKSOELRVMPGYDYVGN 240
QY 259 SNHSFSSGYVEEDEFDRLARFOAMVHCNNMHTLGAFLPGVECFRRGPAWMEGEPR 318
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 241 SNHSFSSGYVEEDEFDRLARFOAMVHCNNMHTLGAFLPGVECFRRGPAWMEGEPR 300
QY 319 RHNLGSLNDPRARAVSVPLGGRVAFLOCRLFLFAGPWLFSISPTSDVYNNSSPALG 378
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 301 RHNLGSLNDPRARAVSVPLGGRVAFLOCRLFLFAGPWLFSISPTSDVYNNSSPALG 360
QY 379 TFPAPWMPGPPPTNSSLLELRGQOPVAKAGSPALLIGCL 417
  ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 361 TFPAPWMPGPPPTNSSLLELRGQOPVAKAGSPALLIGCL 399

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RESULT 9
US-09-771-161A-105
; Sequence 105, Application US/09771161A
; Patent No. US20020110811A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, et al.
; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
; FILE REFERENCE: 802620-2005.1
; CURRENT APPLICATION NUMBER: US/09/771,161A

```

CURRENT FILING DATE: 2001-01-26  
PRIOR APPLICATION NUMBER: 09/724,676  
PRIOR FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: 136776  
PRIOR FILING DATE: 2000-06-15  
PRIOR APPLICATION NUMBER: 135619  
PRIOR FILING DATE: 2000-04-12  
NUMBER OF SEQ ID NOS: 273  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 105  
LENGTH: 520  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-771-161A-105

Query Match 24.5% Score 1209.5; DB 10; Length 520;  
Best Local Similarity 48.8% Pred. No. 5.5e-67;  
Matches 246; Conservative 72; Mismatches 143; Indels 43; Gaps 10;

QY 3 PEALSLILLLVASGADMGKHPDPACRYALGMDRTIPDSISASSWSDTAARHS 62  
DB 5 PRLMLVFLPLIIS---SAAQVNPALCRPLGSSGOITDEDITASSONSSTAAKYG 61  
QY 63 RLSESDDDGANCPCGSPFPE-ERYLOYDQLRLHVALVGTQGRHAGGLGKEFSRYLR 121  
DB 62 RLSESDDDGANCPCPIPEPDLKEFLQIDLHFLHFTLVGTQGRHAGGLGKEFSRYLR 121  
QY 122 YSRDGRMGKMDKMGGEVLSGNEDEPVVLKDLGPPVAVLRYFPADRYMSYCLAVE 181  
DB 122 YSRDGTWIKRNHKGQVLDGNSNPYDIFLKDLEPPVAVRFPVPTDASHMVCMEVE 181  
QY 182 LYGLMDGLSLTYAPVQOTWTL--SEAVYLNDSYDGHVGLQYGGGLGDLAVGVD 239  
DB 182 LYGVWLDGLVSYVAPAGQFVLRGSIITLNDSTVYG-ANGYKTEGLGULDBVSGLD 240  
QY 240 DFRKSQRLWPCGDIYGMNSHSPSGIVEMEFEEDRLRAFQAMQVHCNNHTLGARLPG 299  
DB 241 DFOETHEHYWPGDYVGMNSESATNGYIEIMEFDRIRNFTMKVCHNNMFAGVKYFK 300  
QY 300 GVCRRFRGPAMAMEGEPHNRHNGNLGDPARAVSPVPLGRVAFRLQCRFLFPGWILF 359  
DB 301 EVOCIF-RSEASEPEPAISFPLVLDVNPASARFVTVPLHRRMASAKCOYHFDWTWME 359  
QY 360 SEISFISD-VVNSSPALGCTFPAPMPGPPPTNFSSLELEPRGOQPVAKAGSPAI 418  
DB 360 SEITFOSDAMYNSEAL-----PTSP-----MAPTTDPMKATDSDNTRI 400  
QY 419 LIGCLVAIILLLIILALMLRLHWRRLSKAERRVLEELTYVLSPVGDITILINR--P 476  
DB 401 LIGCLVAIIFILAIIVIIILMROFWMLEKASRMULDDEMTVLSLPSDSMFNNRRSS 460  
QY 477 GPREP-----PPYQEP 487  
DB 461 SPSEGSNSTYDRIFPLRPOYEP 484

RESULT 10  
US-09-966-147-2  
Sequence 2, Application US/09966147  
Patent No. US20020146416A1  
GENERAL INFORMATION:  
APPLICANT: Presta, Leonard G.  
Shelton, David L.  
Urter, Roman  
TITLE OF INVENTION: HUMAN TRK RECEPTORS AND NEUROTROPIC FACTOR INHIBITORS  
NUMBER OF SEQUENCES: 41  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Knodde, Mariens, Olson & Bear, LLP  
STREET: 620 Newport Center Drive, 16th Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: USA  
ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/966,147

FILING DATE: 27-Sep-2000

CLASSIFICATION: &lt;Unknown&gt;

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446172

FILING DATE: 19-MAY-1995

APPLICATION NUMBER: 08/266846

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: 08/215139

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Ginger

REGISTRATION NUMBER: 33,055

REFERENCE/DOCKET NUMBER: 33CPCAC

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 954-4114

TELEFAX: (415) 954-4111

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 822 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-966-147-2

Query Match 13.1% Score 645; DB 10; Length 822;  
Best Local Similarity 46.5% Pred. No. 5.8e-32;  
Matches 144; Conservative 45; Mismatches 79; Indels 42; Gaps 10;

QY 607 RSRLEFKELGEGGGEHFLCE--VDSPPQVLSLDFPLNVRKGPPLVAVKILRPDTR 663  
DB 535 RHNLYLKELEGGAGKFLAEVCYNLCPEOD-----KILVAVKTKL-DASD 579  
QY 664 NASELSFRNDFLEKVKIMSRKDPNITRLGVCYQDDPLCMITDYMENGLNDFLSHQ 723  
DB 580 NA-----KDFHREBELITNLOHHEHYKFGVCYEGDPLLMVEYKMGHGLNPLRKHG 633  
QY 724 LED-KAEGAPDGOAAGPT-ISTPMLHVAQIAGSMRYATLNFVHRDLATRNCLVG 781  
DB 634 PDVILMEGND-----PELTQSQQLHIAQIAGMYLASHQHFVHRDLATRNCLVG 685  
QY 782 ENFTIKIADPGMSRNLVAGDYRVQRAVLPFIRMAMECIMGKFTTASDVAFVTLME 841  
DB 686 ENLLVKIGDFGMSHDVYSTDYRVGHTMLPIRMMPESIVYRFTTESDWSLGVILME 745  
QY 842 VLMCRAQPFGLADEQVIEENAGFEFRDQGRQVYLSPPACQGLVETLMLRCNRESEOR 901  
DB 746 IFTYGR-QPWTQSNNEVIECI-----TQGR--VLQRRRCPCQRYVELMLGCMQREPHMR 797  
QY 902 PPSQQLHRL 911  
DB 798 KNKIGHTLL 807

RESULT 11  
US-09-924-859A-5  
Sequence 5, Application US/09924859A  
Patent No. US20020137113A1  
GENERAL INFORMATION:  
APPLICANT: Codowaki, Paul J.  
APPLICANT: Mark, Melaine R.  
APPLICANT: Sadick, Michael D.  
APPLICANT: Shelton, David L.  
APPLICANT: Wong, Wei Lee Tan  
TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
FILE REFERENCE: P0854C1P2C1  
CURRENT APPLICATION NUMBER: US/09/924,859A

;; CURRENT FILING DATE: 2001-08-08  
;; PRIOR APPLICATION NUMBER: US/09/417,381  
;; PRIOR FILING DATE: 1999-10-13  
;; NUMBER OF SEQ ID NOS: 11  
;; SEQ ID NO 5  
;; LENGTH: 847  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-09-924-859A-5

Query Match 13.1% Score 645; DB 10; Length 847;

Best Local Similarity 46.5%; Pred. No. 6e-32; Indels 42; Gaps 10;  
Matches 144; Conservative 45; Mismatches 79;

QY 607 RSRLRFREKLGEGQFGEVHLC--VDSPODLVSLDFPLNVRKGFPLLVAVKIKIRPATK 663  
DB 560 RHNIVLRELGEFGFVFLAECHNLCPEQD-----KLVAVKIKL-DASD 604  
QY 664 NAFSLSRNDFLEVKIKSRKLPNTIRLLGVCVQDDPLCMITDYMNGDLNQLSAHQ 723  
DB 605 NA-----RKDFHREAEILTNLOHEHIVKFGVCVEGDDPLMVEYMKHGDNLKFLNAG 658  
QY 724 LED-KAEGAPGQGAQGP--TISYPMLLHVAQAISGMRYLATNFVHRDLATRNCLVG 781  
DB 659 PDVAVMAEGNP-----PTELQSQMLHIAQILAGMVLASQHFVHRDLATRNCLVG 710  
QY 782 ENFTIKIADGMSNLTAGDYRYVQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLM 841  
DB 711 ENLVKIGDGMNDYVSTIYRNGHTMLPIRMMPESIMRKFTTESDVMSLGVTLM 770  
QY 842 VLMICRAOPFGQLTDECVINAGHEFFRDGROYLISPPACPOGLYELMLRCWSRESEOR 901  
DB 771 IFTYGR-QPWTOLSNNEVIECI-----TQGR--VLQPRPCQGVYELMLGCMQREPHMR 822  
QY 902 PPFSQLHRL 911  
DB 823 KNKIGHTLL 832

## RESULT 12

US-09-924-859A-7  
; Sequence 7, Application US/09924859A  
; Patent No. US20020137113A1  
; GENERAL INFORMATION:  
; APPLICANT: Godowaki, Paul J.  
; APPLICANT: Mark, Melanie R.  
; APPLICANT: Sadick, Michael D.  
; APPLICANT: Shelton, David L.  
; APPLICANT: Wong, Wei Lee Tan  
; TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
; FILE REFERENCE: P0854C1P2C1  
; CURRENT APPLICATION NUMBER: US/09/924,859A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US/09/417,381  
; PRIOR FILING DATE: 1999-10-13  
; NUMBER OF SEQ ID NOS: 11  
; SEQ ID NO 7  
; LENGTH: 850  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-09-924-859A-7

Query Match 13.0% Score 640.5; DB 10; Length 850;

Best Local Similarity 32.5%; Pred. No. 1.1e-31;  
Matches 174; Conservative 67; Mismatches 131; Indels 163; Gaps 19;

QY 490 RGNPPHAPCVNPG-----SALLISNDA-----YRLLATYAR 522  
DB 351 RGNPPHAPCVNPG-----SALLISNDA-----YRLLATYAR 522  
QY 523 PPRGPPPTPAMKPTNTQVSGDYME--PEKPAFL--PPPPONSVPPIYAADIV 575  
DB 407 NPUG-----TANQTNHGFLEKPEPSTDFLEDEVSPPTIVTTHKPEPDTF 455

QY 576 TLGGTSGNTYAVPAL-----P 592

DB 456 GVSIAVGLAFACTLVVLPVMTNKYGRSKFGKGVAVISGEEDSASPLHHNHGTT 515

QY 593 PGAVGDP-----PRVDFP-----RSRLRFREKLGEGQFG 622

DB 516 PSSLDAGPDIYVIGMTIRPIYENPQYRQGNCHKPPTYQHKIRRIYVLRKREGAFG 575

QY 623 EYHLCFVDSPODLVSLDFPLNVRKGFPLLVAVKILRDPATKMSFSLSFRNDFLEVKIM 682

DB 576 KVLAE-----YNLSPTK-DGLVAVKALK-DPT-----LAAKRDQREAEIL 617

QY 683 SRLKDPNIRLLGVCVQDDPLCMITDYMNGDLNQLSAHQLEDKAEGAP-----DQ 737

DB 618 TNLOHEIYVFGVCGGDDPLMVEYMKHGDNLKFLNAG-----GPDANILVQD 668

QY 738 AAGP-TISYPMLLHVAQAISGMRYLATNFVHRDLATRNCLVGENFTIKIADFGSRN 796

DB 669 PROAKGELGQSOMLHIASQASGMVLASQHFVHRDLATRNCLVGNLVLKIGDFGSRD 728

QY 797 LYAGDIYRQGRAVLPIRMAMECILMGKFTTASDVMAFGVTLMVLMICRAOPFGQLT 856

DB 729 VSTDYRYRQGHMTLPIRMMPESIMRKFTTESDVMSFGVILIEFTYGR-QPWTOLSN 787

QY 857 EOYIENAGEFFRDGROYLISPPACPOGLYELMLRCWSRESEORPPFSQLHRL 911

DB 788 TEVIECI-----TQGR--VLQPRPCQGVYELMLGCMQREPHMR 822

## RESULT 13

US-09-966-147-9  
; Sequence 9, Application US/09966147  
; Patent No. US20020146416A1  
; GENERAL INFORMATION:  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Shelton, David L.  
; APPLICANT: Ufer, Roman

;; TITLE OF INVENTION: HUMAN TK RECEPTORS AND NEUROTROPHIC FACTOR INHIBITORS  
;; NUMBER OF SEQUENCES: 41  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP  
;; STREET: 620 Newport Center Drive, 16th Floor  
;; CITY: Newport Beach  
;; STATE: California  
;; COUNTRY: USA  
;; ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatlin (GeneNtech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/966,147  
FILING DATE: 27-Sep-2000  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446172  
FILING DATE: 19-May-1995  
APPLICATION NUMBER: 08/286846  
FILING DATE: 05-AUG-1994  
APPLICATION NUMBER: 08/215139  
FILING DATE: 18-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Ginger  
REGISTRATION NUMBER: 33,055  
REFERENCE/DOCKET NUMBER: GENENT.33CPC4C  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 954-4114  
TELEFAX: (415) 954-4111

INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:

LENGTH: 790 amino acids



TYPE: Amino Acid  
TOPOLOGY: Linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-09-966-147-9

Query Match 12.7% Score 627; DB 10; Length 790;  
Best Local Similarity 28.5%; Pred. No. 7.1e-31;

Matches 229; Conservative 87; Mismatches 240; Indels 248; Gaps 33;

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QY 238 LDDEKRSQELR---VMPGYDVGWNSNHSFGSYEMEFEDRLR-----AFQAM 283
DB 84 LRLRGELRLNLTIVKSGLRVADAFHTPRLSLNLSFNALESLSKTVQGLSLOEL 143
QY 284 QVHCNNMTIGARLPGVECRFRGRPAWMEGE-----PMRNLGNLNG 327
DB 144 VLSGNPLH-----CSCALRW--LQWEEEGIGVPEOKLQCHGGGPLAHMNAASCG 192
QY 328 DPRARA---VSPVLRGVARFLOC---RFLFAGPWLLFSEISFISDVNNSSPALGCT 379
DB 193 VPTLRVQVPMASVDVGDV--LLRCQVGRGLEQAGWIL----- 229
QY 380 FPPAPWMPGPPPTNFSSLELEPRGQPVAKAEGSPAILGLCLVAIILLILLITALLMIM 439
DB 230 -----TELEQ--SATVMSGGILPS-----LGLTLANTYS 256
QY 440 RLHMRRLSKARRVLEELTVHLSV--PGDTIL-----INNRPGRR----- 479
DB 257 DLNKNLTCWAMENDVGRVSVQVNSFPASVOLTAVERNHCIPFSVDGQPAFSLRWL 316
QY 480 -----EPPYQEDR---PRGNPHSAPCVNPGS--ALLSNP---AYR 514
DB 317 FNGSVLNETSFIFTEFLPANETVRHGLRLNPTH---VNNGNITLLANPRGQASA 372
QY 515 LLATYARP--RGGPPTPAMAKPTNTQAYSGDYME--PEKP----- 553
DB 373 SIMAFMDNPFEEFNEDIP-----DINSTSGDVEKEDTPEGVSAVAGLAVFACFL 426
QY 554 -----GAPLLPPQNSVPHYADIVTLAGVTGNTYAVPALPP 593
DB 427 STILLVLNKGGRNRKFGINRAVYLAPEDEGLAMSLHF-----MTLGGSSLSTEGSGSLQ 481
QY 594 GAVDGGPRVD-----PPSRRLRPEKELGEGQFGEVILCEVDS--PODLVSLDEPLNV 644
DB 482 GHIIENPOYFSDACVHHIKRDIYALKWELGEGAFGKVLACHNLPRQD----- 531
QY 645 RKGHPLVAVKILRPDATTNKSFSLSFRNDFLEKVKINSRLKDPNITILLGYVQDDPLC 704
DB 532 -----KMLVAAYK---ALKKASES--ARQDFOREAELLTMLQHOHIVAFEGVCEGRLL 580
QY 705 MTDYMEGDLNOLFSAHQLEDKAAEGAPGGOAAGPTISYPMILHYAAQIASGMRYLA 764
DB 581 MVEFYMRHGDNLRLRSHGPDAKLLAGE---DYAPGP-LGLGOLLNVAASVAAAGMYLA 636
QY 765 TLNFVHRDLATRNCLVGENFTIKIADFGSMRNLYAGDYRVQGRAVYPIRMAMECTIMG 824
DB 637 GLHFVHRDLATRNCLVQGLVYKIGDGMSSHDISTDYRVYRGRTMLPIRMMPESILYR 696
QY 825 KFTTASDYMAFGVTLMVEYMLCRAQPFQGLTDEOVINAGFEFFDQGRUYTLSPRACPO 884
DB 697 KFTTESDYMSFGVVLMEIFTYGK--QPMYOLNSTEAIDCI-----TQGRE--LEPRACPP 748
QY 885 GLYELMLRCWSEQRPPFSQLH 908
DB 749 EYTAIRMGCMQREPOQHSIKDVH 772
```

RESULT 14  
US-09-924-859A-3  
Sequence 3, Application US/09924859A  
Patent No. US20020137113A1  
GENERAL INFORMATION:  
APPLICANT: Godowski, Paul J.  
APPLICANT: Mark, Melanie R.

APPLICANT: Sadiq, Michael D.  
APPLICANT: Shelton, David L.  
APPLICANT: Mong, Wal Lee Tan  
TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
FILE REFERENCE: P0854CIP2C1  
CURRENT APPLICATION NUMBER: US/09/924/859A  
CURRENT FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: US/09/417,381  
NUMBER OF SEQ ID NOS: 11  
SEQ ID NO 3  
LENGTH: 814  
TYPE: PR  
ORGANISM: Homo Sapien  
US-09-924-859A-3

Query Match 12.7% Score 627; DB 10; Length 814;  
Best Local Similarity 28.5%; Pred. No. 7.3e-31;  
Matches 229; Conservative 87; Mismatches 240; Indels 248; Gaps 33;

```
QY 238 LDDEKRSQELR---VMPGYDVGWNSNHSFGSYEMEFEDRLR-----AFQAM 283
DB 108 LRLRGELRLNLTIVKSGLRVADAFHTPRLSLNLSFNALESLSKTVQGLSLOEL 167
QY 284 QVHCNNMTIGARLPGVECRFRGRPAWMEGE-----PMRNLGNLNG 327
DB 168 VLSGNPLH-----CSCALRW--LQWEEEGIGVPEOKLQCHGGGPLAHMNAASCG 216
QY 328 DPRARA---VSPVLRGVARFLOC---RFLFAGPWLLFSEISFISDVNNSSPALGCT 379
DB 217 VPTLRVQVPMASVDVGDV--LLRCQVGRGLEQAGWIL----- 253
QY 380 FPPAPWMPGPPPTNFSSLELEPRGQPVAKAEGSPAILGLCLVAIILLILLITALLMIM 439
DB 254 -----TELEQ--SATVMSGGILPS-----LGLTLANTYS 280
QY 440 RLHMRRLSKARRVLEELTVHLSV--PGDTIL-----INNRPGRR----- 479
DB 281 DLNKNLTCWAMENDVGRVSVQVNSFPASVOLTAVERNHCIPFSVDGQPAFSLRWL 340
QY 480 -----EPPYQEDR---PRGNPHSAPCVNPGS--ALLSNP---AYR 514
DB 341 FNGSVLNETSFIFTEFLPANETVRHGLRLNPTH---VNNGNITLLANPRGQASA 396
QY 515 LLATYARP--RGGPPTPAMAKPTNTQAYSGDYME--PEKP----- 553
DB 397 SIMAFMDNPFEEFNEDIP-----DINSTSGDVEKEDTPEGVSAVAGLAVFACFL 450
QY 554 -----GAPLLPPQNSVPHYADIVTLAGVTGNTYAVPALPP 593
DB 451 STILLVLNKGGRNRKFGINRAVYLAPEDEGLAMSLHF-----MTLGGSSLSTEGSGSLQ 505
QY 594 GAVDGGPRVD-----PPSRRLRPEKELGEGQFGEVILCEVDS--PODLVSLDEPLNV 644
DB 506 GHIIENPOYFSDACVHHIKRDIYALKWELGEGAFGKVLACHNLPRQD----- 555
QY 645 RKGHPLVAVKILRPDATTNKSFSLSFRNDFLEKVKINSRLKDPNITILLGYVQDDPLC 704
DB 556 -----KMLVAAYK---ALKKASES--ARQDFOREAELLTMLQHOHIVAFEGVCEGRLL 604
QY 705 MTDYMEGDLNOLFSAHQLEDKAAEGAPGGOAAGPTISYPMILHYAAQIASGMRYLA 764
DB 605 MVEFYMRHGDNLRLRSHGPDAKLLAGE---DYAPGP-LGLGOLLNVAASVAAAGMYLA 660
QY 765 TLNFVHRDLATRNCLVGENFTIKIADFGSMRNLYAGDYRVQGRAVYPIRMAMECTIMG 824
DB 661 GLHFVHRDLATRNCLVQGLVYKIGDGMSSHDISTDYRVYRGRTMLPIRMMPESILYR 720
QY 825 KFTTASDYMAFGVTLMVEYMLCRAQPFQGLTDEOVINAGFEFFDQGRUYTLSPRACPO 884
DB 721 KFTTESDYMSFGVVLMEIFTYGK--QPMYOLNSTEAIDCI-----TQGRE--LEPRACPP 772
QY 885 GLYELMLRCWSEQRPPFSQLH 908
```

DB 773 EVYAIMGCMOREPOORHSIKDVA 796

## RESULT 15

US-09-966-147-6  
Sequence 6, Application US/09966147  
Patent No. US20020146416A1

## GENERAL INFORMATION:

APPLICANT: Presta, Leonard G.  
Shelton, David L.

Dr. Presta, Leonard G.

TITLE OF INVENTION: HUMAN TRK RECEPTORS AND NEUROTROPHIC FACTOR INHIBITORS

NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP

STREET: 620 Newport Center Drive, 16th Floor

CITY: Newport Beach

STATE: California

COUNTRY: USA

ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/966,147

FILING DATE: 27-Sep-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446172

FILING DATE: 19-MAY-1995

APPLICATION NUMBER: 08/286846

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: 08/215139

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Ginger

REGISTRATION NUMBER: 33,055

REFERENCE/DOCKET NUMBER: GENENT.33CPC4C

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 954-4114

TELEFAX: (415) 954-4111

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 839 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-966-147-6

Query Match 12.7%; Score 623.5; DB 10; Length 839;

Best Local Similarity 31.7%; Pred. No. 1.2e-30; Mismatches 174; Conservative 67; Indels 177; Gaps 20;

DB 490 RGNPESABCVNG-----SALLSNPA-----YRLLATYAR 522

DB 326 RGNPPTLHMHGOLRESKIHVEYGEISECLLENKPTNNNGNYTLI---AK 381

DB 523 PRGPGPPPTPAKAPNTQASGDYME---PEKPGAPL---PPPONSVPHTADIV 575

DB 382 NPAG-----TANQTINGHFLKEPPESTDNFIFDEVSPPTVTHKPEEDTE 430

DB 576 TLGGVTGNTYAVPAL-----P 592

DB 431 GVSIAVGLAFACVLLVLFPMINKYGRSKGKMGKPAVVISGEEDSASPLHHNHGITT 490

DB 593 PGAVGDP-----PRVDFP-----RSRLNFKKELGEGORG 622

DB 491 PSSLDAGPDTVVYIGMTRIPIVENPQYFROGHNCHKPDYVVOHKIKRDYLVKRELGEAGF 550

DB 623 EVHLCVVDSPQDLVSLDFPLNVRKGGHPLVAVKILRPDATTNNASFSLSRNDPLKVKIM 682

DB 551 KVFLEAC-----YNLSPTK-DKMLVAVKALK-DPT-----LAARKDFOREALL 592

DB 683 SRLKDPNIRLLGVCVQDDPLCMITDYMNGDNLQFISAOLEKKAEGAPG-----DQ 737

DB 593 TNLQHEHIVFYGCGDGPLIMVEFYMKHGDLLKFFRAH-----GPDAMILVDGQ 643

DB 738 AAGP-TISYPMILHVAQAQASGMYLATLNFVRDLATRNCLVGENFTIKIADFGSRN 796

DB 644 PROAKGELGSOHLHISQIASGKVIYIASQHFVHRDLATRNCLVGANLVKIGDFGMSRD 703

DB 797 LTAGDIYR-----VQRAVLPIRMWAMECIIIMGKFTTASDVWAGVTLMEV 842

DB 704 VYSTDYRRLEPNPSGNDPCIMCEVGHMPLIRMPPSIMYRKFTTESDVWSEGVILMEI 763

DB 843 LMCRAQPFQGLTDEQVYENANGFEFRDQGRQVYLSRPACPGIYELMLCKWSESRP 902

DB 764 FTYGK-OPWFOI NSTEVEICI-----DQGR-VLERBVCPEYDYVLMGCMOREPOORL 815

DB 903 PFSQLRFL 911

DB 816 NIKETIKIL 824

Search completed: May 29, 2003, 11:27:57  
Job time: 55 secs